

November 9, 2010

Los Angeles County **Board of Supervisors** 

> Gloria Molina First District

TO:

Mark Ridley-Thomas

FROM: Second District

Zev Yaroslavsky Third District

SUBJECT

John F. Schunhoff, Ph.D. Wald Meyl STATUS REPORT ON KEY INDICATORS OF PROGRESS.

HOSPITAL OPERATIONS, AND OTHER ISSUES RELATED TO THE TRANSITION TO THE NEW LAC+USC MEDICAL CENTER - PROGRESS REPORT #44 (Agenda Item #S-1.

November 9, 2010)

Don Knabe Fourth District

Michael D. Antonovich Fifth District

John F. Schunhoff, Ph.D. Interim Director

Gail V. Anderson, Jr., M.D. Interim Chief Medical Officer

This is to provide your Board with the bi-monthly report on the status of transitioning to the new LAC+USC Medical Center (LAC+USC). This report contains the full monthly operational report for September 2010 (delayed from last month at request of the Board). Also included is the interim report of Emergency Department (ED) and hospital admission volumes as well as specialty services with trends to include the month of October 2010.

Census Trending (ADC includes Psychiatric & Newborn Patients)

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The Average Daily Census (ADC) for the month of October was 596 out of 671 licensed beds, an estimated 88% utilization rate (90% occupancy). The census for Medical/Surgical units was an estimated 98% utilization rate (100% occupancy) for October 2010.

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#### **Emergency Department (ED) Indicators and Specialty Services**

To improve health through leadership, Service and education.

<u>September 2010 Monthly Operational Report (Attachment 1) -- illustrates</u> increases in ED Boarding Time, Diversion and Average Length of Stay (ALOS) for September 2010. The measures for ED Wait Time, Left Without Being Seen (LWBS), Crowding Level Comparison and Patients Transferred Out have decreased during this reporting period. Of particular note is a 14% reduction in the highest level of overcrowding. The number of patients transferred out in September was consistent with the average number of patients transferred out over the last 4 months since May 2010.



October 2010 Interim Report (Attachments 2 and 3) – these illustrate the trending of ED registration as well as admissions to both the ED and the hospital and specialty care trending. Hospital admissions were 2,817 for October 2010 which represents a 4% increase compared to the 2,709 admissions for September 2010. ED registration volumes were consistent. The ADC trends for specialty care areas of OB/GYN, Pediatrics, ICU, Psychiatry, Jail and Burn Units demonstrated no significant changes.

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#### **Analysis of Trends and Mitigative Actions**

As previously reported, a number of changes have been implemented within the physical structure and organization of the ED, with primary emphasis on reduction of time to Medical Screening Examination (MSE). These changes have resulted in significant reductions in LWBS, thereby reducing the percentage of patients leaving the ED without a MSE by more than one half in the last two months. This equates to serving more than 400 patients/month who previously left without a MSE. Efforts to secure additional transfer agreements are underway by the CEO of the hospital. Finally, the ALOS continues to rise as a result of transferring out the least acute patients, leaving the most critical patients in the facility. As previously demonstrated, increases in diversion have little effect on patient destination since the hospitals in the geographic area surrounding LAC+USC are also on diversion simultaneously. Therefore, Emergency Medical Services (EMS) policies require continued transport to the original hospital destination. Past analysis has demonstrated that this only affects an average of one patient in a 24-hour period.

If you have any questions or need additional information, please contact me or Carol Meyer, Chief of Operations at (213) 240-8370.

JFS: CM: pm 811:003

#### Attachments

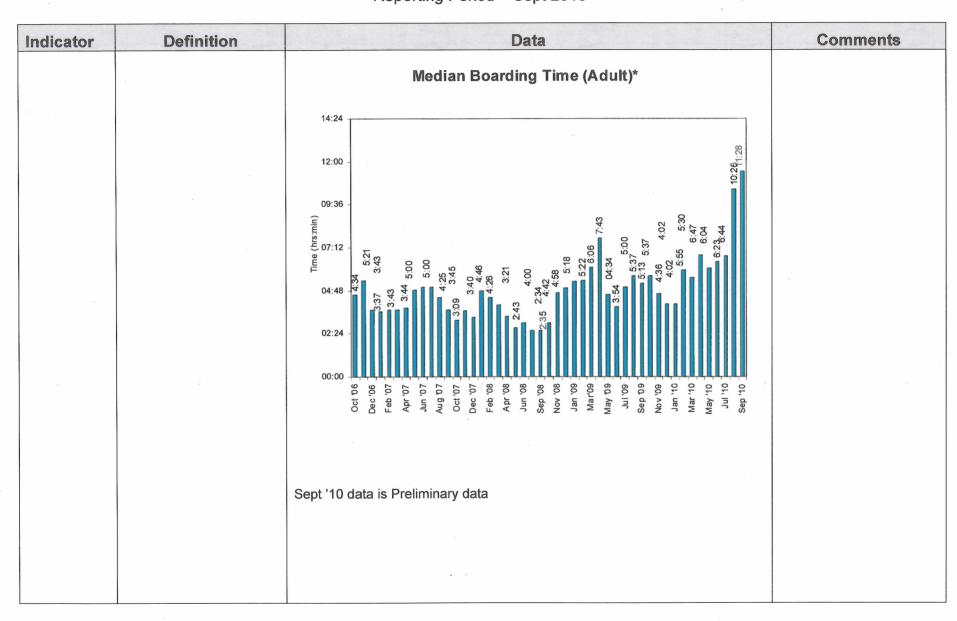
c: Chief Executive Office County Counsel Executive Office, Board of Supervisors

Indicator De	efinition	Data	Comments
Indicator #1 – Trends i	in Average Daily Cer	nsus and Hospital Operations Metrics	
Census (ADC)  number of occupying beds on a reported arithmetic Total num admitted 12:00 AM daily, sur month an the total in the total	tion:  mber of inpatients at M midnight mmed over the nd divided by number of he month.	ADC  ADC  ADC  ADC  ADC  ADC  ADC  ADC	ADC provided as background information.

Indicator Definition	on				Da	ta						Comments
Indicator #1 — Trends in Ave  1b.  Occupancy Rate LAC+USC Medical Center  Definition: A measure of to usage of the lid beds during the reporting perioderived by divide patient days in reporting periodicensed bed of the reporti	the censed e d that is ding the d by the lays in veriod.  Der of ients at night, en in lude rns and atients nsed or s.	I. Medical	Center   ns) = Me	stance st	tions ed Occ	Metri cupan ensus	ncy R 5 – N 83%	ewbo	orns	/ <b>60</b>	Sep 10 Se	For comparison, occupancy rates reported in the old facility were reported including newborns and were based on budgeted beds.



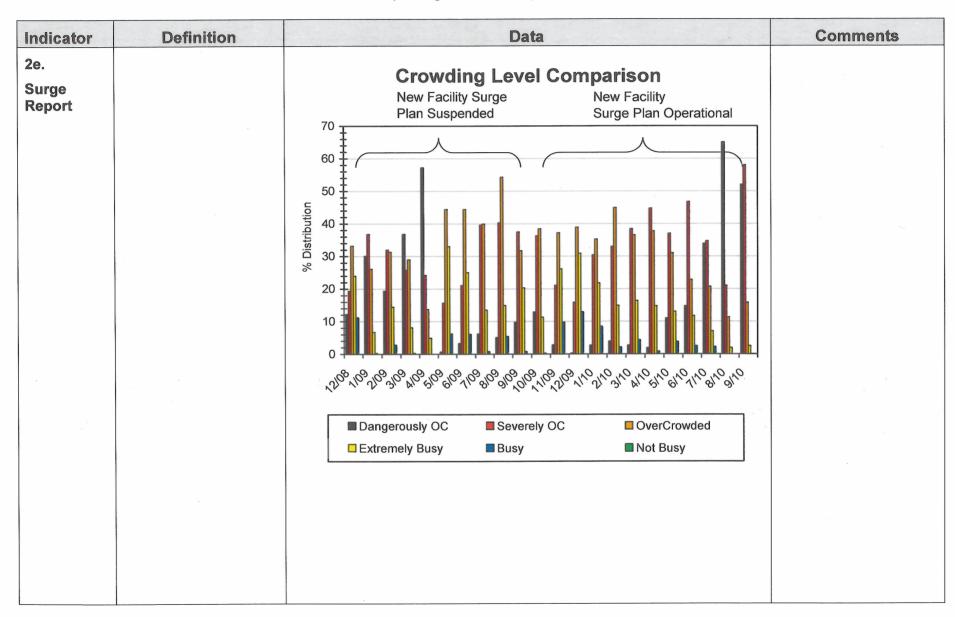
# LAC+USC Medical Center Operational Monitoring Report Reporting Period – Sept 2010



Indicator	Definition	Data	Comments
Indicator #2			
2b. ED Wait Time	ED Wait Time: Measured from time patient is triaged to time patient is either admitted or discharged reported as an arithmetic mean.  Definition: Sum of all wait time values during the monthly reporting period divided by the total number of values.  Source of Data: Affinity  Target: No target value. Lower numbers are better.	Average ED Wait Time  14:24  12:00  11:07  10:54  12:38  12:3612:26  11:107  10:54  10:05  10:48  10:15  10:48  10:15  10:55  10:31  10:49  9:36  8:19  9:36  8:19  9:36  8:19  9:36  8:19  9:36  8:19  9:36  8:45  8:40  8:47  08:59  10:019:58	

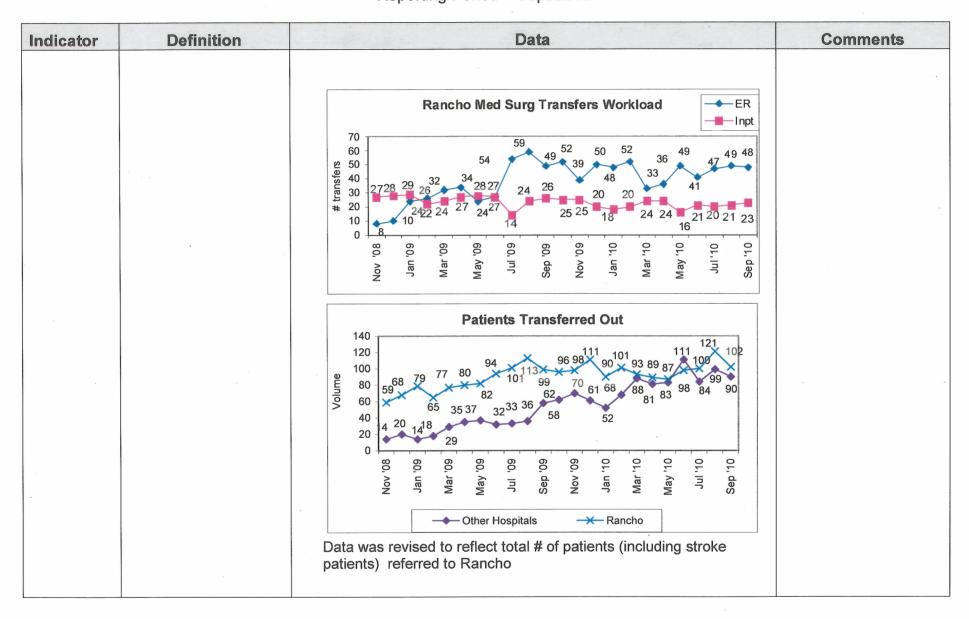
Indicator	Definition	Data	Comments
Indicator #2	- Emergency Departmen	t Metrics	
2c. Left Without Being Seen (LWBS)	LWBS: The total number of patients who left the ED without being seen by a physician reported as a percentage of all ED visits.	2500 2000 - Left Without Being Seen 20% 18% 16%	
*Harris Rodde Indicator	Calculation: The total number of patients who left the ED without being seen divided by the total number of ED patient visits on a monthly basis.  Source of Data: Affinity Target: No target value. Lower numbers are better.	1000 - 10% -	

Indicator	Definition	Data	Comments
Indicator #2	- Emergency Departmen	t Metrics	
2d. ED Diversion	ED Diversion: A percentage measure of the time the ED diverts ambulance traffic away from the ED, reported as a function of the reason for diversion on a monthly basis.  Calculation: The total number of hours of ED diversion for a specific reason divided by the total number of available hours in a month.  Source of Data: ReddiNet	Diversion of ALS Units due to ED Saturation  81 75 70 69 49 45 42 34 38 38 38 38 36 30 26 28 20 10 98 98 98 98 98 98 98 98 98 98 98 98 98	between 50-60%.  Key points:  Diversion is for paramedic runs only; Basic Life Support ambulances still arrive When diversion is requested but all hospitals in the area are on diversion, patients go to the closest hospital. Therefore, ambulances often arrive while "on diversion".



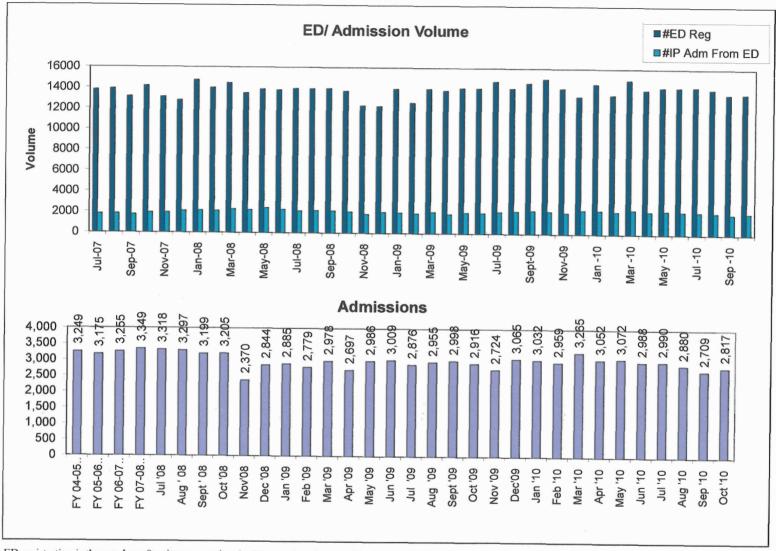
Indicator	Definition	Data				Comments
Indicator #3	<ul> <li>Trends for Patient Dive</li> </ul>	rsions and Transfers & #4	– Transfers	s to Rancho Los /	Amigos Metrics	5
	Transfers: The volume of patients transferred to RLAH for	Month of Sept '10 Referrals from ER:				
Los Amigos	acute hospitalization	,	Med/Surg	Acute Stroke	Total	*
Hospital (RLAH)	from the Emergency Department and from	# Met transfer criteria	53	NA		
Transfers	Inpatient Units.	# Referred to RLAH	50	31	81	
	Data Carres	# Transfers	48	31	79	
	Data Source: Manual record keeping.	# Denied	02	NA	-	
Cancelled category includes patients whose condition changed leading to	# Cancelled	3	NA	-		
	# Patients refused*	2	NA			
	Referrals from Inpatients			,		
	higher level of care or discharge home.	÷	Med/Surg	Acute Stroke	Total	
	,	# Met transfer criteria	46	NA	-	
		# Referred to RLAH	33	0	33	
		# Transfers	23	0	23	
		# Denied	10	NA	-	
	# Cancelled	12*	NA	_		
		# Patients refused*	0	NA	-	
		Other /Pending	1	NA		

# LAC+USC Medical Center Operational Monitoring Report Reporting Period – Sept 2010



Indicator	Definition	Data	Comments
Indicator #5	– Harris Rodde Indicator	'S	
5. Average Length of	LOS: The difference between discharge date and the admission date or 1 if	*Healthcare Network ALOS - Preliminary data pending Auditor-Controller validation  ALOS	Overall trend in ALOS for the 2-year period prior to the move reduced to a low range
Stay (ALOS)	the 2 dates are the same.  Total LOS:	6.5 6.5 6.4 6.5 6.4 6.2 6.1 6.1 6.1 5.6 5.6 5.8 5.7 5.8 5.8 5.7 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8 5.8	of 4.7 – 5.5 days in 2008. Immediately prior to the move, the ALOS increased as the lower acuity patients were transferred to other facilities. This trend may continue depending on number of transfers.
*Harris	Calculation: ALOS is the arithmetic mean calculated by dividing the Total LOS by the Total # of discharges in the	5.5 \$\frac{5}{89} 5 \\ \frac{5}{89} 5 \\ \frac{5}{8} 5 \\	
Rodde Indicator	monthly reporting period, rounded off to one decimal place.	Oct '06  Dec '06  Aug '07  Aug '08  Jun '09  Jun '08  May '10  May '10  May '10  Sep '09  Nov '09  Sep '10  Sep '10  Sep '10  Sep '10  Sep '10  Sep '10	*As of July 2010 with the consolidation of Ingleside and Hawkins all psychiatric services are now included.
	Source of Data: Affinity Target: <5.5 days	→ Target ALOS —— Actual ALOS	

Indicator	Definition			Data			Comments
Indicator #6 – I	Pediatric Metrics						
6. Pediatric Bed	Census: The total number	Date	NICU (40 Beds)	Peds Ward (25 Beds)	PICU (10 Beds)	Med/Surg Adolescent (20 Beds)	
Census and	admitted pediatric inpatients at 12:00 AM	Nov-08	56%	54%	50%	33%	
Occupancy	midnight of a	Dec-08	52%	60%	60%	40%	
(%)	designated pediatric	Jan-09	52%	68%	70%	75%	
	ward.	Feb-09	50%	80%	80%	85%	
Pediatric ICU	Occupancy:	Mar-09	57%	72%	70%	80%	
(PICU)	The total number of	Apr-09	57%	60%	60%	75%	
Neonatal ICU	admitted pediatric	May-09	62%	72%	70%	80%	
(NICU)	inpatients divided by	Jun-09	60%	64%	60%	75%	
	the total number of	Jul-09	57%	72%	60%	80%	
Pediatric Unit	licensed beds on that	Aug-09	55%	64%	60%	80%	
Adolescent	unit and reported as percentage.	Sep-09	55%	68%	70%	80%	
Unit	percentage.	Oct-09	45%	60%	60%	80%	
		Nov-09	35%	64%	70%	70%	
	Source of Data: Affinity	Dec-09	40%	64%	70%	65%	
	Allility	Jan -10	60%	68%	70%	70%	
		Feb -10	65%	84%	80%	80%	
		Mar -10	65%	68%	60%	75%	
		Apr-10	60%	64%	60%	80%	
		May -10	67.5%	68%	80%	80%	
		Jun -10	65%	64%	70%	80%	
		Jul -10	60%	68%	80%	85%	
		Aug -10	62%	68%	60%	85%	
		Sep -10	72.5%	60%	60%	80%	



ED registration is the number of patients accessing the ED (Registrations) and includes the following categories:

- \* Left without being seen
- \* Transferred to the UADC on the same day
- \* Admitted as an inpatient
- \* Dispositioned from the ED
- \* Women's Walk-in

Average Daily Census by Nursing Unit Subset, July 2008 to Oct 2010

Based on Affinity Nursing Unit Statistical Report

